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SECTION A.—PHYSICS

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ERRATA.

SECTION A.—PHYSICS.

1934.

Author Index, p. 1540 ; 3793 *under* Powell, H. M., *refers to* Powell, R. W.

1935.

Author Index, p. 1521 ; *under* Gruetzmacher, J., converging ultrasonic waves, *for* 4738, *read* 4638.

1936.

Abstract No. 204, line 3 ; *for* SeH, *read* SeO₂.

Abstract No. 216, line 9 ; *for* (²Π_{1/2}σ) Πσ_{1u} *read* (²Π_{1/2}σ) Π₀₊ 1u.

Abstract No. 2279, line 20 ; *for* 0.08 × 10⁻⁸, *read* 0.80 × 10⁻⁸.

Abstract No. 3082, line 4 ; *for* 1936, *read* 1935.

Abstract No. 3167, line 2 ; *insert* B. S. R. Rao as author.

Abstract No. 3300, line 3 ; *delete* "continuing previous work [see Abstract 4349 (1935)]."

Abstract No. 3725, line 3 ; *for* contraction *read* construction.

Abstract No. 3955, p. 914, line 4 ; *for* Lander, *read* Jander.

Abstract No. 4293, line 5 ; *for* 252.7l *read* 252.7ll.

Abstract No. 4485, line 9 ; *for* 1.39 ± 0.01 Å, *read* 1.39 ± 0.01 Å.

Abstract No. 4693, line 3 ; *for* 889-900, *read* 389-400.

Abstract No. 4775, line 2 ; *for* 837-845, *read* 337-345.

Abstract No. 4777, line 3 ; *for* 953-958, *read* 453-458.

Abstract No. 4778, line 2 ; *for* 959-961, *read* 459-461.

Abstract No. 4821, line 2 ; *for* 983-990, *read* 483-490.

Abstract No. 4872, line 5, *replace this line by* :

"The cobaltous ion at 409° K. (136° C.) changes its paramagnetism by 1 Weiss magneton, *viz.*, from 25.67 magnetons below this temperature to 24.70 magnetons above it, both with pure CoCl₂ and when mixed with other chlorides."

Abstract No. 4907, line 3 ; *for* 825-830, *read* 323-330.

Abstract No. 5181, line 15 ; *for* BM-electrons, *read* 3M-electrons.

Abstract No. 5189, line 11 ; *for* "and further that their specific heats are equal," *substitute* "and this leads to the finding that the absolute difference between the specific heats of a paraffin and the corresponding olefine decreases with the chain length."

EDITOR.

H. G. SOLOMON, A.C.G.I., M.I.E.E.

ABSTRACTORS.

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LIST OF JOURNALS AND THEIR ABBREVIATIONS

A star () indicates that the Journals so marked are received only occasionally.*

ABBREVIATIONS.	FULL TITLE AND ADDRESS.
Acad. Polonaise Sci. et Lettres, Bull.	Bulletin International de l'Academie Polonaise des Sciences et des Lettres. 17, Rue Slawkowska, Cracovie, Poland.
Acad. Sci., Proc., U.P., India	Proceedings of the Academy of Sciences (United Provinces of Agra and Oudh, India). Allahabad, U.P., India.
Accad. d'Italia, Mem.	Memorie della Reale Accademia d'Italia, Rome, Italy.
Accad. Lincei, Atti	Atti della Reale Accademia Nazionale dei Lincei. Dott. Giovanni Bardi, Piazza Madama 19-20, Rome (111), Italy.
Accad. Sci. Torino, Atti	Atti della Reale Accademia delle Scienze di Torino. 3, Via Maria Vittoria, Turin (101), Italy.
A.C.E.C.	Ateliers de Constructions Électriques de Charleroi. Route de Philippeville, Charleroi, Belgium.
Acoustical Soc. of America, J.	Journal of the Acoustical Society of America. The American Institute of Physics, 175, Fifth Avenue, New York.
Acta Physica Polonica	Acta Physica Polonica. Institut de Physique Expérimentale de l'Université, 69, rue Hoza, Warsaw, Poland.
Acta Physicochimica	Acta Physicochimica. Mejdounarodnaia Kniga 18, Kouznetzki Most, Moscow, U.S.S.R.
A.E.G. Mitt	A.E.G. Mitteilungen. Schlegelstrasse 26-27, Berlin, N.4.
Akad. Wiss. Wien, Ber.	Sitzungsberichte der Akademie der Wissenschaften in Wien. Mathematisch-naturwissenschaftliche Klasse. Universitätsplatz 2, Vienna I.
Alta Frequenza	Alta Frequenza. Associazione Elettrotecnica Italiana, Via San Paolo N.10, Milan (2/2), Italy.
Am. Acad., Proc.	Proceedings of the American Academy of Arts and Sciences. 28, Newbury Street, Boston, Mass., U.S.A.
Am. Chem. Soc., J.	Journal of the American Chemical Society. Charles L. Parsons, Mills Building, Washington, D.C., U.S.A.
Am. Electrochem. Soc., Trans.	Transactions of the American Electrochemical Society. Columbia University, New York, U.S.A.
Am. Geophys. Union, Trans.	Transactions of the American Geophysical Union, National Research Council, Constitution Avenue and 21st Streets, Washington, D.C., U.S.A.
Am. Illum. Eng. Soc., Trans.	Transactions of the American Illuminating Engineering Society. Mt. Royal & Guilford Aves., Baltimore, Maryland, U.S.A.
Am. J. of Roentgenology and Radium Therapy	The American Journal of Roentgenology and Radium Therapy. Charles C. Thomas, 220, East Monroe Street, Springfield, Illinois, U.S.A.
Am. J. Sci.	American Journal of Science. New Haven, Connecticut, U.S.A.

ABBREVIATIONS.	FULL TITLE AND ADDRESS.
*Am. Mineralogist	American Mineralogist. Journal of the Mineralogical Society of America, United States Geological Survey, Washington, D.C., U.S.A.
Am. Phil. Soc., Proc.....	Proceedings of the American Philosophical Society. 104, South Fifth Street, Philadelphia, Pa., U.S.A.
Am. Phys. Teacher	The American Physics Teacher. The American Institute of Physics, 175, Fifth Avenue, New York.
Ann. d. Physik	Annalen der Physik. J. A. Barth. Salomonstrasse 18B, Leipzig, C1, Germany.
Ann. de Physique	Annales de Physique. Masson et Cie, Libraires de l'Academie de Médecine, 120, Boulevard Saint-Germain, Paris (VI ^e).
Ann. Soc. Sci. de Bruxelles	Annales de la Société Scientifique de Bruxelles. 2, Rue du Manège, Louvain, Belgium.
Annales des P.T.T.	Annales des Postes, Télégraphes et Téléphones. Librairie de l'Enseignement Technique, 61, Boulevard Saint-Germain, Paris (5 ^e).
Arch. des Sciences	Archives des Sciences Physiques et Naturelles. Institut de Physique de l'Université, Geneva, Switzerland.
Arch. f. Elektrot	Archiv für Elektrotechnik. J. Springer, Linkstrasse 22-24, Berlin, W.9.
Arch. f. Wärmewirtsch	Archiv für Wärmewirtschaft und Dampfkesselwesen. V.D.I. Verlag G.m.b.H., Dorotheenstrasse 40, Berlin, N.W.7.
Arkiv f. Kem. Min. och Geologie, Stockholm.	Arkiv för Kemi, Mineralogi och Geologie, Almqvist and Wiksells Boktryckeri-A.-B., Stockholm, Sweden, and H. K. Lewis & Co., Ltd., 136, Gower Street, London, W.C.1.
Arkiv f. Mat. Astron. och Fysik, Stockholm	Arkiv för Matematik, Astronomi, och Fysik. Almqvist and Wiksells Boktryckeri-A.-B., Stockholm, and H. K. Lewis & Co., Ltd., 136, Gower Street, London, W.C.1.
A.S.E.A. J.	A.S.E.A. Journal. Allmänna Svenska Elektriska A.B., Västerås, Sweden; and A.S.E.A. Electric Ltd., Fulbourne Road, Walthamstow, E.17.
A.S.M.E., Trans.	Transactions of The American Society of Mechanical Engineers, 29, West 39th Street, New York.
Assoc. Ing. El. Liège, Bull.	Bulletin de l'Association des Ingénieurs Électriciens sortis de l'Institut Electrotechnique Montefiore. 31, Rue Saint Gilles, Liège, Belgium.
Assoc. Suisse Élect., Bull.	Association Suisse des Électriciens Bulletin. Secretariat General de l'A.S.E. et de l'U.C.S., Seefeldstrasse 301, Zürich 8, Switzerland.
Astron. Iakttagelser och Undersökning. Stockholms Obs.	Astronomiska Iakttagelser och Undersökningar Stockholms Observatorium. Almqvist and Wiksells Boktryckeri-A.-B., Stockholm, Sweden.
Astrophys. J.	The Astrophysical Journal. The University of Chicago Press, 5750 Ellis Avenue, Chicago, Illinois, U.S.A.
A.T.M.	Archiv für technisches Messen. R. Oldenbourg, Schliessfach 31, Munich 1, Germany.
Beitr. z. angew. Geophys.....	Beiträge zur angewandten Geophysik. Akademische Verlagsgesellschaft m.b.H., Sternwartenstrasse 8, Leipzig, C1, Germany.
Bell System Techn. J.	Bell System Technical Journal. The American Telephone and Telegraph Co., 195, Broadway, New York.

LIST OF JOURNALS.

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ABBREVIATIONS.	FULL TITLE AND ADDRESS.
Bell Telephone Quarterly	Bell Telephone Quarterly. The American Telephone and Telegraph Company, 195, Broadway, New York.
*Brit. J. of Ophthalmology	The British Journal of Ophthalmology. Pulman, George & Sons, Ltd., 24, Thayer Street, London, W.1.
Brit. J. of Radiology	The British Journal of Radiology. The British Institute of Radiology, 32, Welbeck Street, London, W.1.
Brown Boveri Rev.	The Brown Boveri Review. Richardsons Westgarth-Brown Boveri, Ltd., 56, Victoria Street, London, S.W.1.
Bull. Astronomique	Bulletin Astronomique. Gauthier-Villars et Cie, Quai des Grands-Augustins 55, Paris.
*Bull. de l'Acad. royale de Belgique	Bulletin de l'Académie royale de Belgique. Marcel Hayez, 112, rue de Louvain, Bruxelles, Belgium.
Bull. géodésique	Bulletin géodésique. Organe de l'Association de Géodésie de l'Union Géodésique et Géophysique Internationale. 19, rue Auber, Paris (9*).
*Bull. Math. et Physique	Bulletin de Mathématiques et de Physique pures et appliquées de l'École Polytechnique. Roi Carol II, Bucharest, Roumania.
Bull. Oerlikon	Bulletin Oerlikon. Oerlikon, Ltd., Victoria House, Southampton Row, London, W.C.1.
Bureau of Mines, Bull., Economic Papers and Techn. Papers	Publications of the Bureau of Mines. U.S. Department of Commerce, Superintendent of Documents, Government Printing Office, Washington, D.C., U.S.A.
Bureau of Standards, J. of Research, also Circ. & Misc. Publ.	Publications of the National Bureau of Standards. Superintendent of Documents, Government Printing Office, Washington, D.C., U.S.A.
Calcutta Math. Soc., Bull.	Bulletin of the Calcutta Mathematical Society. The Secretary, 92, Upper Circular Road, Calcutta, India; Messrs. Bowes & Bowes, 1, Trinity Street, Cambridge, England; and Messrs. Galloway & Porter, Ltd., Cambridge, England.
Cambridge Phil. Soc., Proc.	Proceedings of the Cambridge Philosophical Society. The Cambridge University Press, Fetter Lane, London, E.C.4.
Canad. J. of Research	Canadian Journal of Research. National Research Council of Canada, Ottawa, Canada.
*Chem. Eng. China, J.	Journal of Chemical Engineering, China. C/o Research Laboratory of Applied Chemistry, Nankai University, Tientsin, China.
Chem. Soc., J.	Journal of the Chemical Society. The Chemical Society, Burlington House, Piccadilly, London, W.1.
Chem. Soc. Japan, Bull.	Bulletin of the Chemical Society of Japan. Faculty of Science, Imperial University of Tokyo, Japan.
Chinese Chem. Soc., J.	Journal of the Chinese Chemical Society. Department of Chemistry, National University of Peking, China.
*Chinese J. of Physics.....	Chinese Journal of Physics. The China Science Corporation, 649, Avenue Foch, Shanghai, China.
Coast and Geodetic Survey, Special Publ.	Coast and Geodetic Survey. Special Publications. U.S. Department of Commerce, Superintendent of Documents, Government Printing Office, Washington, D.C., U.S.A.

ABBREVIATIONS.	FULL TITLE AND ADDRESS.
Colliery Guardian.....	The Colliery Guardian. 30 and 31, Furnival Street, Holborn, London, E.C.4.
Com. Geod. e. Geofis., Boll. & Publ.	Bollettino e Pubblicazioni del Comitato per la Geodesia et la Geofisica del Consiglio Nazionale delle Ricerche. Istituto di Topografia a Geodesia del R. Istituto Superiore di Ingegneria, Piazza Leonardo da Vinci, Città degli Studi, Milan, Italy.
Comptes Rendus	Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences. Gauthier-Villars et Cie, Quai des Grands-Augustins 55, Paris (6 ^e).
Comptes Rendus (Doklady) de l'Acad. des Sciences, U.S.S.R.	Comptes Rendus (Doklady) de l'Académie des Sciences, Moscow, U.S.S.R.; and Kniga, Ltd., Bush House, Aldwych, London, W.C.2.
Cornell Univ. Eng. Experiment Sta., Bull.	Bulletin of the Engineering Experiment Station. College of Engineering, Cornell University, Ithaca, New York, U.S.A.
Current Science	Current Science. B.N. Sastri, Indian Institute of Science, Hebbal Post, Bangalore, India.
Dept. Sci. & Indust. Research, Publ.	Publications of the Department of Scientific and Industrial Research, H.M. Stationery Office, Adastral House, Kingsway, London, W.C.2.
*Devonshire Assoc. Trans.	Transactions of The Devonshire Association for the Advancement of Science, Literature and Art. Capt. G. W. Bannister, T.D. (Hon. Sec.), The Dial, Chudleigh, South Devon, England.
Die Physik	Die Physik. J. A. Barth, Salomonstrasse 18B. Leipzig, Cl, Germany.
Dominion Astrophys. Obs. Victoria, Publ.	Publications of the Dominion Astrophysical Observatory, Victoria. Victoria, B.C., Canada.
Dominion Observat., Ottawa, Publ.	Publications of the Dominion Observatory, Ottawa. Department of the Interior, Ottawa, Canada.
El. Rev.	The Electrical Review. Dorset House, Stamford Street, London, S.E.1.
El. Rly. Bus and Tram J.	The Electric Railway, Bus and Tram Journal. See Passenger Transport Journal.
El. Times	The Electrical Times. Sardinia House, Kingsway, London, W.C.2.
El. World	Electrical World. McGraw-Hill Publishing Co., Inc., 330, West 42nd Street, New York, and Aldwych House, London, W.C.2.
Elect. Communication.....	Electrical Communication. International Standard Electric Corporation, 67, Broad Street, New York, and Connaught House, Aldwych, London, W.C.2.
Elect. Engineering	Electrical Engineering. Journal of the American Institute of Electrical Engineers, 33, West 39th Street, New York.
Elect. J.....	The Electric Journal. 530, Fernando Street, Pittsburg, Pa., U.S.A.
Electrician.....	The Electrician. Bouverie House, 154, Fleet Street, London, E.C.4.
Electrodepositors' Techn. Soc.	Papers of the Electrodepositors' Technical Society. Northampton Polytechnic Institute, Clerkenwell, London, E.C.1.
Electronics	Electronics. The McGraw-Hill Publishing Co., Inc., 330, West 42nd Street, New York, and Aldwych House, London, W.C.2.

ABBREVIATIONS.	FULL TITLE AND ADDRESS.
Electrot. Laborat. Tokyo, Japan, Circ.	Circulars of the Electrotechnical Laboratory, Tokyo, Japan. Electrotechnical Laboratory, Ministry of Communications, Tokyo, Japan.
Electrot. Laborat. Tokyo, Japan, Researches	Researches of the Electrotechnical Laboratory, Tokyo, Japan. Electrotechnical Laboratory, Ministry of Communications, Tokyo, Japan.
Elek. Betrieb	R.E.A. der Elektrische Betrieb. Georg Siemens, Kurfürstenstrasse 2, Berlin, W.57.
Elek. im Bergbau.....	Elektrizität im Bergbau. R. Oldenbourg, Schliessfach 31, Munich 1, Germany.
Elektroschweissung	Die Elektroschweissung. Zeitschrift für die Gebiete der elektrischen Schweissverfahren und deren Anwendung. F. Vieweg und Sohn A.G. Vor der Burg 18, Braunschweig, Germany.
Elettrotecnica	L'Elettrotecnica. Giornale ed Atti dell' Associazione Elettrotecnica Italiana, Via S. Paolo 10, Milan (2/2), Italy.
*Elisha Mitchell Sci. Soc., J.	Journal of the Elisha Mitchell Scientific Society, Chapel Hill, N.C., U.S.A.
Engineer	The Engineer. 28, Essex Street, Strand, London, W.C.2.
Engineering	Engineering. 35 and 36, Bedford Street, Strand, London, W.C.2.
E.N.T.	Elektrische Nachrichten-technik. J. Springer, Linkstrasse 22-24, Berlin, W.9.
E.R.A. Reports	Reports of The British Electrical and Allied Industries Research Association. 15, Savoy Street, London, W.C.2.
Ergeb. d. exakt. Naturwiss.....	Ergebnisse der exakten Naturwissenschaften. Hirschwaldsche Buchhandlung, Unter den Linden 60, Berlin, N.W.7.
Ericsson Rev.	Ericsson Review. Telefonaktiebolaget. L. M. Ericsson, Döbelnsgatan 18, Stockholm, Sweden.
Ericsson Technics.....	Ericsson Technics. Telefonaktiebolaget. L. M. Ericsson, Döbelnsgatan 18, Stockholm, Sweden.
E.T.Z.	Elektrotechnische Zeitschrift. J. Springer, Linkstrasse 22-24, Berlin, W.9.
E. u. M.	Elektrotechnik und Maschinenbau. Theobaldgasse 12, Vienna 6, Austria.
Faraday Soc., Trans.	Transactions of the Faraday Society. Gurney and Jackson, 33, Paternoster Row, London, E.C.4.
Forsch. IngWes.	Forschung auf dem Gebiete des Ingenieurwesens. Ausgabe B. V.D.I. Verlag, G.m.b.H., Berlin, S.W.7.
Frank. Inst., J.....	Journal of the Franklin Institute. The Franklin Institute of the State of Pennsylvania, Twentieth Street and Parkway, Philadelphia, Pa., U.S.A.
G.E.C. J.	G.E.C. Journal. The General Electric Co., Ltd., Magnet House, Kingsway, London, W.C.2.
Gen. El. Rev.	General Electric Review. The General Electric Co., Schenectady, New York, U.S.A., and Crown House, Aldwych, London, W.C.2.
Geofysiske Publ.	Geofysiske Publikasjoner. Direktor Th. Hesselberg, Det Norske Videnskaps. Akademi, Oslo, Norway.
Geolog. Mag.....	The Geological Magazine. Dulau & Co., Ltd., 29, Dover Street, London, W.1.

LIST OF JOURNALS.

ABBREVIATIONS.	FULL TITLE AND ADDRESS.
Geophys. Mag., Tokyo	The Geophysical Magazine. The Central Meteorological Observatory, Tokyo, Japan.
Gerlands Beitr. z. Geophys.	Gerlands Beiträge zur Geophysik. Akademische Verlagsgesellschaft m.b.H., Sternwartenstrasse 8, Leipzig, Cl, Germany.
Göttingen Nachrichten	Nachrichten von der Gesellschaft der Wissenschaften zu Göttingen. Vandenhoeck and Ruprecht, Göttingen, Germany.
Harvard Coll. Obs., Ann.	Annals of the Harvard College Observatory. The Observatory, Cambridge, Mass., U.S.A.
Harvard Coll. Obs., Bull.	Bulletin of the Harvard College Observatory. The Observatory, Cambridge, Mass., U.S.A.
Harvard Coll. Obs., Circ.	Circular of the Harvard College Observatory. The Observatory, Cambridge, Mass., U.S.A.
Helv. Phys. Acta	Helvetica Physica Acta. E. Birkhäuser et Cie, Bâle, Switzerland.
Hiroshima Journ. Sci.	Journal of Science of the Hiroshima University. Hiroshima University, Hiroshima, Japan.
Hochfrequenztechn. u. Elektroakustik	Hochfrequenztechnik und Elektroakustik. Akademische Verlagsgesellschaft m.b.H., Sternwartenstrasse 8, Leipzig, C 1, Germany.
Hokkaido Imp. Univ., Eng. Mem...	Memoirs of the Faculty of Engineering. Hokkaido Imperial University, Sapporo, Japan.
Ice and Cold Storage	Ice and Cold Storage. 35, Foster Lane, Cheapside, London, E.C.2.
*I.E. (India), J.	Journal of the Institution of Engineers, India. 8, Gokhale Road, Calcutta, India.
I.E.E., J.	Journal of the Institution of Electrical Engineers. Savoy Place, Victoria Embankment, London, W.C.2.
I.E.E., Japan, J.	Journal of the Institution of Electrical Engineers of Japan. The Denki-Gakkwai, No. 3, 1-Chome, Yûraku-chô, Kôjimachi-ku, Tokyo, Japan.
I.E.E., Students' J.	Students' Quarterly Journal. The Institution of Electrical Engineers, Savoy Place, Victoria Embankment, London, W.C.2.
Illum. Eng., London	The Illuminating Engineer. The Journal of Good Lighting. See Light and Lighting.
Illum. Eng. Soc. (London) Trans.	Transactions of the Illuminating Engineering Society. 32, Victoria Street, London, S.W.1.
Imp. Acad. Tokyo, Proc.	Proceedings of the Imperial Academy of Tokyo, Ueno Park, Tokyo, Japan.
Imp. Marine Obs., Kobe, Japan, Mem.	Memoirs of the Imperial Marine Observatory, Kobe, Japan.
India Meteorolog. Dept., Mem.	Memoirs of the India Meteorological Department. The Manager of Publications, Delhi, and the High Commissioner for India, India House, Aldwych, London, W.C.2.
India Meteorolog. Dept., Sci. Notes	Scientific Notes of the India Meteorological Department, The Manager of Publications, Delhi, and the High Commissioner for India, India House, Aldwych, London, W.C.2.
Indian Acad. Sci., Proc.	Proceedings of The Indian Academy of Science. Hebbal, Bangalore, India.
Indian. Inst. of Science, J.	Journal of The Indian Institute of Science. The Bangalore Press, Mysore Road, Bangalore City, India.
Indian Journ. Phys.	Indian Journal of Physics and Proceedings of the Indian Association for the Cultivation of Science. 210, Bow Bazar Street, Calcutta, India.

LIST OF JOURNALS.

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ABBREVIATIONS.

FULL TITLE AND ADDRESS.

Indian Phys.-Math. J.	Indian Physico-Mathematical Journal. J. Ghosh, Presidency College, Calcutta, India.
Indust. and Engin. Chem.	Industrial and Engineering Chemistry. The American Chemical Society. Charles L. Parsons, Mills Building, Washington, D.C., U.S.A.
Indust. & Engin. Chem. (Analytical Edition)	Industrial & Engineering Chemistry (Analytical Edition). The American Chemical Society, Charles L. Parsons, Mills Building, Washington, D.C., U.S.A.
Ingegneri	L'Ingegneri. Rivista Tecnica e Sindacale Sindacato Nazionale Fascista Ingegneri, Via Toscana, 5, Casella Postale 482, Rome 105, Italy.
*Ingenieur-Archiv	Ingenieur-Archiv. Julius Springer, Linkstrasse 22-24, Berlin, W.9.
Inst. Automobile Eng., J.	Journal of the Institution of Automobile Engineers, Watergate House, York Buildings, Adelphi, London, W.C.2.
*Inst. Chem. Eng., Trans.	Transactions of the Institution of Chemical Engineers, 56, Victoria Street, London, S.W.1.
Inst. Civ. Eng., Proc. and J.	Proceedings and Journal of the Institution of Civil Engineers. Great George Street, Westminster, London, S.W.1.
Inst. Civ. Eng., Selected Eng. Papers	Institution of Civil Engineers, Selected Engineering Papers. Great George Street, Westminster, London, S.W.1.
Inst. Eng. & Shipbuilders, Trans...	Transactions of the Institution of Engineers and Shipbuilders in Scotland. Elmbank Crescent, Glasgow, Scotland.
Inst. Eng. Australia, J.	Journal of the Institution of Engineers, Australia. Science House, Gloucester and Essex Streets, Sydney, New South Wales, Australia.
Inst. Mech. Eng., Proc.	Proceedings of the Institution of Mechanical Engineers. Storey's Gate, St. James's Park, London, S.W.1.
Inst. of Metals, J.	Journal of the Institute of Metals. 36, Victoria Street, London, S.W.1.
Inst. Naval Architects, Trans....	Transactions of the Institution of Naval Architects. 2, Adam Street, Adelphi Terrace, London, W.C.2.
Inst. Petroleum Technologists, J...	Journal of the Institution of Petroleum Technologists. Aldine House, Bedford Street, Strand, W.C.2.
Inst. Phys. and Chem. Research, Tokyo, Sci. Papers	Scientific Papers of the Institute of Physical and Chemical Research. Komagome, Hongo, Tokyo, Japan.
Inst. Post Office El. Eng., Papers..	The Institution of Post Office Electrical Engineers, Printed Papers. The Librarian, General Post Office (Alder House), London, E.C.1.
International Conference on Large H.T. Systems, Paris, Papers	Papers of the International Conference on Large High-Tension Systems, Paris. 54, Avenue Marceau, Paris.
I.R.E., Proc.	Proceedings of the Institute of Radio Engineers, 330, West 42nd Street, New York
Iron and Steel Inst., J.	Journal of the Iron and Steel Institute, 28, Victoria Street, London, S.W.1.
Japanese Journ. Eng.	Japanese Journal of Engineering. The Secretary, National Research Council, Imperial Academy House, Ueno Park, Tokyo, Japan.

ABBREVIATIONS.	FULL TITLE AND ADDRESS.
Japanese Journ. Math.	Japanese Journal of Mathematics. The Secretary, National Research Council, Imperial Academy House, Ueno Park, Tokyo, Japan.
J. Chem. Phys.	Journal of Chemical Physics. The American Institute of Physics, 175, Fifth Avenue, New York.
J. de Physique et le Radium.	Journal de Physique et le Radium. 12, Place de Laborde, Paris (VIII ^e).
J. de Radiologie et d'Électrologie..	Journal de Radiologie et d'Électrologie. Masson et Cie, Libraires de l'Académie de Médecine, 120, Boulevard Saint-Germain, Paris.
J. Inst. F.	Journal of the Institute of Fuel. 53, Victoria Street, London, S.W.1.
J. Math. Phys.	Journal of Mathematics and Physics. The Managing Editor, Massachusetts Institute of Technology, Cambridge, Mass., U.S.A.
J. of Applied Mechanics	Journal of Applied Mechanics. The American Society of Mechanical Engineers, 29, West 39th Street, New York.
J. of Applied Physics (Formerly Physics)	Journal of Applied Physics. The American Institute of Physics, 175, Fifth Avenue, New York.
J.O.S.A.	Journal of the Optical Society of America. The American Institute of Physics, 175, Fifth Avenue, New York.
J. Phys. Chem.	Journal of Physical Chemistry. Williams & Wilkins Co., Mt. Royal and Guilford Avenues, Baltimore, Maryland, U.S.A., and Baillière, Tindall & Cox, 8, Henrietta Street, Covent Garden, London, W.C.2.
Journ. Sci. Instruments.	Journal of Scientific Instruments. The Institute of Physics, 1, Lowther Gardens, Exhibition Road, London, S.W.7.
Journ. Télécommunications	Journal des Télécommunications. Bureau de l'Union Internationale des Télécommunications, Berne, Switzerland.
Junior Inst. Eng., J.	Journal of the Junior Institution of Engineers. 39, Victoria Street, Westminster, S.W.1.
K. Akad. Amsterdam, Proc.	Proceedings of the Koninklijke Akademie van Wetenschappen te Amsterdam. N.V. Noord-Hollandsche Uitgeversmij, Amsterdam, Holland.
K. Onnes Lab., Leiden, Comm.	Communications of the Kamerlingh Onnes Laboratory of the University of Leiden, Leiden, Holland.
Kolloid-Beihefte	Kolloid-Beihefte. Theodor Steinkopff, Residenzstrasse 32, Dresden-Blasewitz, Germany.
Kolloid Zeits.	Kolloid Zeitschrift. Theodor Steinkopff, Residenzstrasse 32, Dresden-Blasewitz, Germany.
Kyoto Coll. Eng., Mem.	Memoirs of the Kyoto Imperial University. College of Engineering. Maruzen Co., Ltd., Tokyo, Japan.
Kyoto Coll. Sci., Mem.	Memoirs of the College of Science. Kyoto Imperial University. Maruzen Co., Ltd., Tokyo, Japan.
Kyushu Univ., Faculty of Eng., Mem.	Memoirs of the Faculty of Engineering. Kyushu Imperial University, Fukuoka, Japan.
Leeds Philosoph. and Lit. Soc., Proc.	Proceedings of the Leeds Philosophical and Literary Society. Prof. R. Whiddington, The University, Leeds, England.
Lick Observat., Bull.	Bulletin of the Lick Observatory, University of California, U.S.A.

ABBREVIATIONS.	FULL TITLE AND ADDRESS.
Light and Lighting (Formerly The Illuminating Engineer).	Light and Lighting. The Illuminating Engineering Society, 32, Victoria Street, London, S.W.1.
Manchester Phil. Soc., Mem.....	Memoirs and Proceedings of the Manchester Literary and Philosophical Society. 36, George Street, Manchester, England.
Mechanical Engineering	Mechanical Engineering. The American Society of Mechanical Engineers, 29, West 39th Street, New York.
*Mechanical World	Mechanical World and Engineering Record. 28, Bedford Street, London, W.C.2.
M.E.E.	Mining Electrical Engineer. Cromwell Buildings, Blackfriars Street, Manchester, England.
Meteorolog. Office, Geophys. Mem. and Prof. Notes	Geophysical Memoirs and Professional Notes of the Meteorological Office. H.M. Stationery Office, Adastral House, Kingsway, London, W.C.2.
Min. Mag.	The Mineralogical Magazine. Humphrey Milford, Oxford University Press, Amen House, Warwick Square, London, E.C.4.
Mines Mag.	Mines Magazine. C. L. Colburn, 926, Patterson Building, Denver, Colorado, U.S.A.
Monthly Weather Rev.	Monthly Weather Review. Superintendent of Documents, Government Printing Office, Washington, D.C., U.S.A.
M.V. Gazette	Metropolitan-Vickers Gazette. Metropolitan-Vickers Electrical Co., Ltd., Trafford Park, Manchester, England.
*Mysore Univ., J.	Half-Yearly Journal of The Mysore University. The Bangalore Press, Lake View, Mysore Road, Bangalore City, India.
Nat. Acad. Sci., Proc.....	Proceedings of the National Academy of Sciences. The Home Secretary, The National Academy of Sciences, Constitution Avenue and 21st Street, Washington, D.C., U.S.A.
*Nat. Acad. Sci., India, Proc.	Proceedings of the National Academy of Sciences, Allahabad, India.
National Research Council, Bull...	Bulletin of the National Research Council. Publication Office, National Research Council, Constitution Avenue and 21st Street, Washington, D.C., U.S.A.
Nature	Nature. Macmillan & Co., Ltd., St. Martin's Street, London, W.C.2.
Naturwiss	Naturwissenschaften. Julius Springer, Linkstrasse 22-24, Berlin, W.9.
*Nippon Elect. Comm. Eng.	Nippon Electrical Communication Engineering. Institute of Telegraph and Telephone Engineers of Japan. No. 1447, Tokyo-Kaijo New Building, Marunouchi, Tokyo, Japan.
N. Cimento	Il Nuovo Cimento. Organo della Società Italiana di Fisica. N. Zanichelli, Bologna, Italy.
*Norwegian Technical College, Proc.	Proceedings of the Norwegian Technical College, Trondheim, Norway.
*Nova Acta Regiae Soc. Sci. Upsaliensis	Nova Acta Regiae Societatis Scientiarum Upsaliensis. Norblads Bokhandel, Upsala, Sweden.
*Nova Scotian Inst. of Sci., Proc...	Proceedings of the Nova Scotian Institute of Science, Halifax, Nova Scotia.
Observatory	Observatory. Taylor and Francis, Red Lion Court, Fleet Street, London, E.C.4.
Onde Élec.	L'Onde Électrique. Bulletin de la Société des Radioélectriciens, 14, Avenue Pierre-Larousse, Malakoff (Seine), France.

ABBREVIATIONS.	FULL TITLE AND ADDRESS.
Passenger Transport J. (Formerly El. Rly. Bus and Tram. J.)	Passenger Transport Journal. Avenue Cham- bers. Vernon Place, Southampton Row, London, W.C.1.
Phil. Mag.	The London, Edinburgh and Dublin Philo- sophical Magazine and Journal of Science. Taylor & Francis, Red Lion Court, Fleet Street, London, E.C.4.
Philips Techn. Rev.....	Philips Technical Review. Philips Labora- tory, Eindhoven, Holland.
*Philosophy	Philosophy. Macmillan & Co., Ltd., St. Martin's Street, London, W.C.2.
Phot. Indust.	Photographische Industrie. Union Deutsche Verlagsgesellschaft Zweigniederlassung. Krausenstrasse 35-36, Berlin, S.W.19.
Phot. J.	The Photographic Journal. The General Editor, The Royal Photographic Society, 35, Russell Square, London, W.C.1.
Physica	Physica. Martinus Nijhoff, 9, Lange Voor- hout, The Hague, Holland.
Phys. Rev.....	The Physical Review. The American Insti- tute of Physics, 175, Fifth Avenue, New York.
Phys. Soc., Proc.....	Proceedings of the Physical Society. 1, Lowther Gardens, Exhibition Road, Lon- don, S.W.7.
Phys. Soc., Reports	Reports on Progress in Physics. The Physical Society, 1, Lowther Gardens, Exhibition Road, London, S.W.7.
Phys. Math. Soc. Japan, Proc.....	Proceedings of the Physico-Mathematical Society of Japan. Faculty of Science, Tokyo Imperial University, Tokyo, Japan.
Physics	Physics. See Journal of Applied Physics.
Phys. Zeits.	Physikalische Zeitschrift. S. Hirzel, König- strasse 2, Leipzig, C 1, Germany.
Phys. Zeits. d. Sowjetunion	Physikalische Zeitschrift der Sowjetunion. Tschaikowskaja 16, Charkow, U.S.S.R.
P.O.E.E.J.....	The Post Office Electrical Engineers' Journal. Birch & Whittington, 10, Station Road, Epsom, Surrey.
Power.....	Power. McGraw-Hill Publishing Co., Inc., 330, West 42nd Street, New York, and Aldwych House, London, W.C.2.
Preuss. Akad. Wiss. Berlin, Ab- handlungen	Abhandlungen der Preussischen Akademie der Wissenschaften. Walter de Gruyter & Co., Unter den Linden 8, Berlin, N.W.7.
Preuss. Akad. Wiss. Berlin, Ber. ..	Sitzungsberichte der Preussischen Akademie der Wissenschaften. Walter de Gruyter & Co., Unter den Linden 8, Berlin, L.N.W.7.
*Q.S.T.	Q.S.T. American Radio Relay League, Inc., West Hartford, Conn., U.S.A.
R. Accad. Navale Livorno, Pubb...	Pubblicazioni del R. Istituto Elettrotecnico e delle Comunicazioni dell Marina. Regia Accademia Navale, Livorno, Italy.
Radio Research, Japan, Report....	Report of Radio Researches and Works in Japan. The National Research Council of Japan, Imperial Academy House, Ueno Park, Tokyo, Japan.
Radiography	Radiography. Journal of The Society of Radiographers. 32, Welbeck Street, Lon- don, W.1.
Radiology.....	Radiology. The Secretary-Treasurer, The Radiological Society, 607, Medical Arts Building, Syracuse, New York, U.S.A.
Rev. d'Acoustique	Revue d'Acoustique. Les Presses Universi- taires de France, 49, Boulevard Saint- Michel, Paris (5 ^e).

ABBREVIATIONS.	FULL TITLE AND ADDRESS.
Rev. de Mét	Revue de Métallurgie. 5, Cité Pigalle, Paris (IX ^e).
Rev. d'Optique.....	Revue d'Optique Théorique et Instrumentale. 3 & 5, Boulevard Pasteur, Paris (15 ^e).
Rev. Modern Physics	Reviews of Modern Physics. The American Institute of Physics, 175, Fifth Avenue, New York.
Rev. Sci. Instruments.....	Review of Scientific Instruments. The American Institute of Physics, 175, Fifth Avenue, New York.
R.G.E.	Revue Générale de l'Électricité. 12, Place de Laborde, Paris (VIII ^e).
Ricerca Scientifica	La Ricerca Scientifica ed il progresso tecnico nell'economia nazionale Consiglio Nazionale delle Ricerche. Corso Vittorio Emanuele N.266, Rome.
Richerche di Ingegneria	Ricerche di Ingegneria. Sindacato Nazionale Fascista Ingegneri della Confederazione Professionisti a Artisti, Via Toscana 5, Casella Postale 482, Rome (105), Italy.
*Rothamsted Experimental Station, Harpenden, Conference Reports	Reports of the Rothamsted Experimental Station, Harpenden, Herts., England.
Roy. Astron. Soc. Canada, J.....	Journal of the Royal Astronomical Society of Canada. 198, College Street, Toronto, Canada.
Roy. Astron. Soc., Mem.....	Memoirs of the Royal Astronomical Society, Burlington House, London, W.1.
Roy. Astron. Soc., M.N.....	Monthly Notices of the Royal Astronomical Society. Burlington House, London, W.1.
Roy. Astron. Soc., M.N., Geophys. Supplement	Monthly Notices, Geophysical Supplement of the Royal Astronomical Society, Burlington House, London, W.1.
Roy. Dublin Soc., Proc.....	The Scientific Proceedings of the Royal Dublin Society. Ballsbridge, Dublin, Ireland.
Roy. Inst., Proc.....	Proceedings of the Royal Institution of Great Britain. 21, Albemarle Street, London, W.1.
Roy. Irish Acad., Proc.....	Proceedings of the Royal Irish Academy. Hodges, Figgis & Co., Dublin, Ireland; and Williams & Norgate, 36, Great Russell Street, London, W.C.1.
Roy. Meteorolog. Soc., J.	Quarterly Journal of the Royal Meteorological Society. The Royal Meteorological Society, 49, Cromwell Road, South Kensington, S.W.7.
Roy. Meteorolog. Soc., Mem.....	Memoirs of the Royal Meteorological Society. The Royal Meteorological Society, 49, Cromwell Road, South Kensington, S.W.7.
Roy. Soc. Arts, J.	Journal of the Royal Society of Arts. G. Bell & Sons, Ltd., York House, Portugal Street, London, W.C.2.
Roy. Soc. Canada, Trans.	Transactions of the Royal Society of Canada, Ottawa, Canada.
Roy. Soc. Edinburgh, Proc.	Proceedings of the Royal Society of Edinburgh. Robert Grant & Son, 126, Princes Street, Edinburgh, and Williams & Norgate, Ltd., 36, Great Russell Street, London, W.C.1.
Roy. Soc. Edinburgh, Trans.....	Transactions of the Royal Society of Edinburgh. Robert Grant & Son, 126, Princes Street, Edinburgh; and Williams & Norgate, Ltd., 36, Great Russell Street, London, W.C.1.
Roy. Soc., Phil. Trans.	Philosophical Transactions of the Royal Society of London. Harrison & Sons, Ltd., 44-47, St. Martin's Lane, London, W.C.2.

ABBREVIATIONS.	FULL TITLE AND ADDRESS.
Roy. Soc., Proc.	Proceedings of the Royal Society of London. Harrison & Sons, Ltd., 44-47, St. Martin's Lane, London, W.C.2.
Roy. Soc. Victoria, Proc.	Proceedings of the Royal Society of Victoria. Victoria Street, Melbourne, C.1, Australia.
Roy. Techn. Coll., Glasgow, J.	Journal of the Royal Technical College, Glasgow. Robert Andersen, 142, West Nile Street, Glasgow, C.1.
Ryojun Coll. Eng., Mem.	Memoirs of the Ryojun College of Engineering. The Chairman of the Publication Committee. Ryojun College of Engineering, Port Arthur, South Manchuria.
S. African I.E.E., Trans.	Transactions of the South African Institute of Electrical Engineers. Kelvin House, 100, Fox Street, Johannesburg, S. Africa.
*School Science Rev.	School Science Review. John Murray, Albemarle Street, London, W.1.
Science	Science. The Science Press, Grand Central Terminal, New York.
Seismological Soc. of America, Bull.	Bulletin of the Seismological Society of America. The Stanford University Press, Stanford University, Berkeley, California, U.S.A.
Siemens Zeits	Siemens Zeitschrift. Siemens-Schuckertwerke Aktiengesellschaft, Verwaltungsgebäude, Berlin-Siemensstadt.
Smithsonian Inst. Astrophys. Obs., Ann.	Annals of The Astrophysical Observatory of The Smithsonian Institution. The Smithsonian Institution, Washington, D.C., U.S.A.
Soc. Belge Élect., Bull.	Bulletin de la Société Belge des Électriciens, 8, rue Sabatier, Marcinelle, Belgium.
*Soc. Chim. de Belgique, Bull.	Bulletin de la Société Chimique de Belgique. Maison d'Editions et d'Impressions, Rue de Calvaire 21-23, Ghent, Belgium.
Soc. Franc. Élect., Bull.	Bulletin de la Société Française des Électriciens. Gauthier-Villars et Cie, Quai des Grands-Augustins 55, Paris (6e).
Soc. Franç. Phot. et Ciné., Bull. ..	Bulletin de la Société Française de Photographie et de Cinématographie. Rue de Clichy 51, Paris.
Soc. Glass Technol., J.	Journal of the Society of Glass Technology, Darnall Road, Sheffield 9, England.
Soc. Roumaine Phys., Bull.	Bulletin de la Société Roumaine de Physique, Laboratoire d'Acoustique et Optique, Rue Poincaré 14, Bucarest, Roumania.
Soc. Scien. Fennica, Acta and Comm. Phys.-Math.	Societas Scientiarum Fennica, Acta and Commentationes Physico-Mathematicae. Akademische Buchhandlung, Helsingfors, Finland.
Solar Phys. Obs., Cambridge, Ann.	Annals of the Solar Physics Observatory, Cambridge. The Cambridge University Press, Fetter Lane, London, E.C.4.
Techn. Phys., U.S.S.R.	Technical Physics of The U.S.S.R. State Technical Theoretical Press, Leningrad, U.S.S.R.
Terr. Mag.	Terrestrial Magnetism and Atmospheric Electricity. The John Hopkins Press, Baltimore, Maryland, U.S.A.
T.F.T.	Telegraphen- Fernsprech- und Funk-Technik. R. Dietze, Wichmannstrasse 5, Berlin, W.62.
Tijds. Nederland Radiogenootschap.	Tijdschrift van het Nederlandsch Radiogenootschap, Rodenbachlaan, Eindhoven, Holland.

ABBREVIATIONS.	FULL TITLE AND ADDRESS.
Tohoku Math. J.	The Tohoku Mathematical Journal. Tohoku Imperial University, Sendai, Japan.
Tohoku Univ., Sci. & Technol. Reports	Scientific and Technology Reports of the Tohoku Imperial University. Maruzen Co., Ltd., Sendai, Japan.
Tokyo B.D., Sci. Reports	Science Reports of the Tokyo Bunrika Daigaku, Section A. Bunrika Daigaku, Koishikawa, Tokyo, and the Maruzen Co., Ltd., Tokyo, Japan.
Tokyo Univ. Aeronaut. Research Inst., Report	Report of the Aeronautical Research Institute, Tokyo Imperial University, Komaba, Tokyo, Japan.
Tokyo Univ. Earthquake Research Inst., Bull.	Bulletin of the Earthquake Research Institute, Tokyo Imperial University, Tokyo, Japan.
Tokyo Univ., Faculty of Eng., J... ..	Journal of the Faculty of Engineering, Tokyo Imperial University. Maruzen Co., Ltd., Tokyo, Japan.
Tokyo Univ., Faculty of Sci., J. ..	Journal of the Faculty of Science, Tokyo Imperial University. Maruzen Co., Ltd., Tokyo, Japan.
Tsing Hua Univ., Sci. Reports....	Science Reports of the National Tsing Hua University, Series A. Peiping, China.
Union Géodésique et Géophysique Internationale, Publ.	Publications de l'Union Géodésique et Géophysique Internationale, Série A. L'Association Internationale de Géodésie, rue d'Anjou, 78, Paris (8 ^e).
Union Obs. S. Africa, Circ.....	Circular of the Union Observatory of South Africa, Johannesburg, S. Africa.
Univ. Durham Phil. Soc., Proc.....	Proceedings of the University of Durham Philosophical Society. E. Patterson, Asst. Librarian, Armstrong College, Newcastle-upon-Tyne, England.
Univ. Nac. La Plata, Estudio Ciencias	Universidad Nacional de La Plata. Publicaciones de la Facultad de Ciencias Fisicomatemáticas, La Plata, Argentine.
Univ. of Illinois Eng. Exp. Sta., Bull.	Bulletin of the University of Illinois Engineering Experiment Station. University of Illinois, Urbana, Illinois, U.S.A.
V.D.E. Fachberichte	Fachberichte des Verbandes Deutscher Elektrotechniker. V.D.E. Verlag, Bismarckstrasse 33, Charlottenburg 4, Berlin.
V.D.I.....	Zeitschrift des Vereines Deutscher Ingenieure. V.D.I. Verlag, G.m.b.H., Dorotheenstrasse 40, Berlin, N.W.7.
Wärme	Die Wärme. Zeitschrift für Dampfkessel und Maschinenbetrieb. Buch- und Tiefdruck m.b.H., Schützenstrasse 18-25, Berlin, S.W.19.
Washington Acad. Sci., J.....	Journal of the Washington Academy of Sciences. 450, Ahnaip Street, Menasha, Wis., U.S.A.
Wireless Engineer	Wireless Engineer and Experimental Wireless. Iliffe & Sons, Ltd., Dorset House, Stamford Street, London, S.E.1.
Wireless World	Wireless World. Iliffe & Sons, Ltd., Dorset House, Stamford Street, London, S.E.1.
Wiss. Veröff. a. d. Siemens-Werken	Wissenschaftliche Veröffentlichungen aus den Siemens-Werken. J. Springer, Linkstrasse, 22-24, Berlin, W.9.
World Power.....	World Power, 62, Lincoln's Inn Fields, London, W.C.2.
Zeits. f. angew. Math. u. Mechanik.	Zeitschrift für angewandte Mathematik und Mechanik. Ingenieurwissenschaftliche Forschungsarbeiten. V.D.I.-Verlag G.m.b.H., Dorotheenstrasse 40, Berlin, N.W.7.

ABBREVIATIONS.	FULL TITLE AND ADDRESS.
Zeits. f. Astrophysik	Zeitschrift für Astrophysik. J. Springer, Linkstrasse 22-24, Berlin, W.9.
*Zeits. f. das gesamte Schiess- und Sprengstoffwesen	Zeitschrift für das gesamte Schiess- und Sprengstoffwesen, Munich, Germany.
Zeits. f. Elektrochem.	Zeitschrift für Elektrochemie und angewandte physikalische Chemie. Verlag Chemie, G.m.b.H., Corneliusstrasse 3, Berlin, W.35.
Zeits. f. Fernmeldetechnik.	Zeitschrift für Fernmeldetechnik Werk- und Gerätebau. R. Oldenbourg, Schliessfach 31, Munich, Germany.
Zeits. f. ges. Kälte-Ind.	Zeitschrift für die gesamte Kälte-Industrie. Gesellschaft für Kältewesen m.b.H., Rankestrasse 5, Berlin, W.50.
Zeits. f. Instrumentenk.	Zeitschrift für Instrumentenkunde. J. Springer, Linkstrasse 22-24, Berlin, W.9.
Zeits. f. Krist.	Zeitschrift für Kristallographie, Kristallgeometrie, Kristallphysik, Kristallchemie. Akademische Verlagsgesellschaft m.b.H., Sternwartenstrasse 8, Leipzig, C.1, Germany.
Zeits. f. Metallkunde	Zeitschrift für Metallkunde. V.D.I.-Verlag, G.m.b.H., Dorotheenstrasse 40, Berlin, N.W.7.
Zeits. f. phys. Chem., Abt. A. & B.	Zeitschrift für physikalische Chemie (Abteilungen A and B). Akademische Verlagsgesellschaft m.b.H., Sternwartenstrasse 8, Leipzig, C.1, Germany.
Zeits. f. Physik.	Zeitschrift für Physik. J. Springer, Linkstrasse 22-24, Berlin, W.9.
Zeits. f. techn. Physik.	Zeitschrift für technische Physik. J. A. Barth, Salomonstrasse 18b, Leipzig, C.1, Germany.
Zeits. f. wiss. Phot.	Zeitschrift für wissenschaftliche Photographie, Photophysik und Photochemie. J. A. Barth, Salomonstrasse 18b, Leipzig, C.1, Germany.